

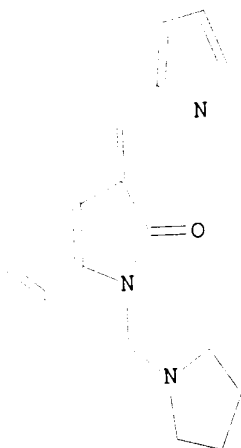
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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

0 ANSWERS

100.0% PROCESSED 7 ITERATIONS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 7 TO 298  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

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FULL SCREEN SEARCH COMPLETED - 109 TO ITERATE

5 ANSWERS

100.0% PROCESSED 109 ITERATIONS  
SEARCH TIME: 00.00.01

L3 5 SEA SSS FUL L1

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L5

3 L3

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L5 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:868450 CAPLUS

DOCUMENT NUMBER: 136:5903

TITLE: Preparation of 1-(pyrrolidin-1-ylmethyl)-3-(pyrrol-2-ylmethylidene)-2-indolinones as protein kinase activity modulators.

INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping

PATENT ASSIGNEE(S): Pharmacia + Upjohn Company, USA

SOURCE: PCT Int. Appl., 83 pp.

CODEN: PIXXD2

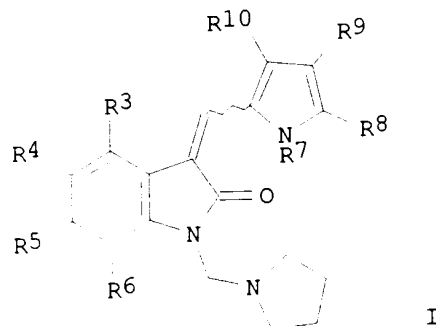
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090104	A2	20011129	WO 2001-US16756	20010524
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002032204	A1	20020314	US 2001-863804	20010524
US 2002035140	A1	20020321	US 2001-863905	20010524
US 2002037878	A1	20020328	US 2001-863819	20010524
PRIORITY APPLN. INFO.:			US 2000-207000P	P 20000524
			US 2000-225045P	P 20000811
OTHER SOURCE(S):	MARPAT 136:5903			
GI				



AB Title compds. [I; R3-R6 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, SH, alkylthio, arylthio, etc.; .gtoreq.2 of R3-R6 = H; R7 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, etc.; R8-R10 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, alkylthio, arylthio, etc.], were prepd. Thus, pyrrolidine was added to a mixt. of aq. H<sub>2</sub>CO and 3-(3,5-dimethyl-1H-pyrrol-2-ylmethylidene)-1,3-dihydroindol-2-one in MeOH; after 15 min. the mixt. was cooled to 0.degree. and filtered to give (3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1-(1-pyrrolidinylmethyl)-1,3-dihydro-2H-indol-2-one. The latter prodrug had a half life of 7.3 min. in dogs.

IT **375387-20-5P**

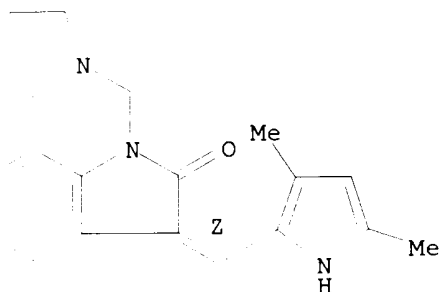
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyrrolidinylmethylpyrrolylmethylideneindolinones as protein kinase activity modulators)

RN 375387-20-5 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:868449 CAPLUS

DOCUMENT NUMBER: 136:5902

TITLE: Preparation of prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinones as modulators of protein kinase activity.

INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping; Koenig, Marcel

PATENT ASSIGNEE(S): Sugan, Inc., USA; Pharmacia + Upjohn Company

SOURCE: PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

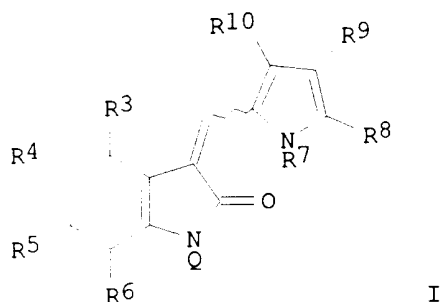
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001090103 A2 20011129 WO 2001-US16741 20010524  
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 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,  
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,  
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 US 2002032204 A1 20020314 US 2001-863804 20010524  
 US 2002035140 A1 20020321 US 2001-863905 20010524  
 US 2002037878 A1 20020328 US 2001-863819 20010524  
 PRIORITY APPLN. INFO.: US 2000-207000P P 20000524  
 US 2000-225045P P 20000811  
 OTHER SOURCE(S): MARPAT 136:5902  
 GI



AB Title compds. [I; R3-R6 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, alkylthio, arylthio, etc.; .gtoreq.2 of R3-R6 = H; R3R4, R4R5, R5R6 = atoms to form aryl ring, OCH2O, OCH2OCH2; R7 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, etc.; R8-R10 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, arylthio, etc.; Q = CHR11OR21, COR51, OP(O)(ORa)(ORb); R11 = H, alkyl; R21 = H, alkyl, aralkyl, acyl; R51 = alkyl; Ra, Rb = H, alkyl], were prepd. as prodrugs for modulators of protein kinase activity (no data). Thus, 3-(3,5-dimethyl-1H-pyrrol-2-ylmethylidene)-1,3-dihydroindol-2-one was stirred 1 h with aq. H2CO and Et3N in DMF to give (3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1-hydroxymethyl-1,3-dihydro-2H-indol-2-one.

IT **375387-20-5P**

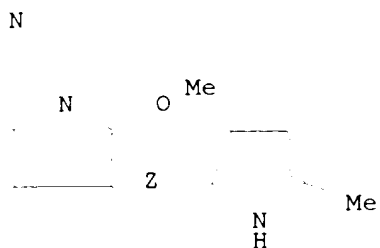
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinones as modulators of protein kinase activity)

RN 375387-20-5 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 2001:868415 CAPLUS  
 DOCUMENT NUMBER: 136:697  
 TITLE: Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives  
 INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping; Tang, Peng Cho  
 PATENT ASSIGNEE(S): Sugen, Inc., USA; Pharmacia + Upjohn Company  
 SOURCE: PCT Int. Appl., 96 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090068	A2	20011129	WO 2001-US16757	20010524
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002032204	A1	20020314	US 2001-863804	20010524
US 2002035140	A1	20020321	US 2001-863905	20010524
US 2002037878	A1	20020328	US 2001-863819	20010524
PRIORITY APPLN. INFO.:			US 2000-207000P	P 20000524
			US 2000-225045P	P 20000811

OTHER SOURCE(S): MARPAT 136:697

AB The present invention is directed to Mannich base prodrugs of certain 3-(pyrrol-2-ylmethylidene)-2-indolinone derivs. that modulate the activity of protein kinases ("PKs"). Pharmaceutical compns. comprising these compds., methods of treating diseases related to abnormal PK activity utilizing pharmaceutical compns. comprising these compds. and methods of prepg. them are also disclosed.

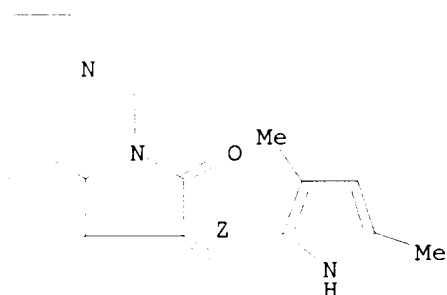
IT **375387-20-5P**

RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone derivs.)

RN 375387-20-5 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



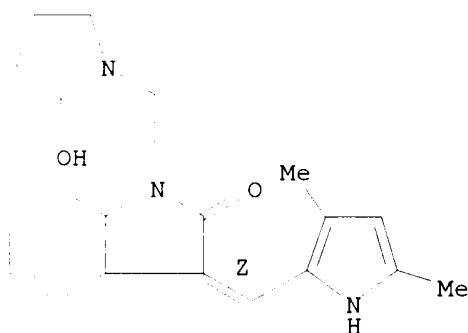
IT **375798-47-3P 375798-48-4P 375798-49-5P 375798-50-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone derivs.)

RN 375798-47-3 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-[(2-hydroxy-1-pyrrolidinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

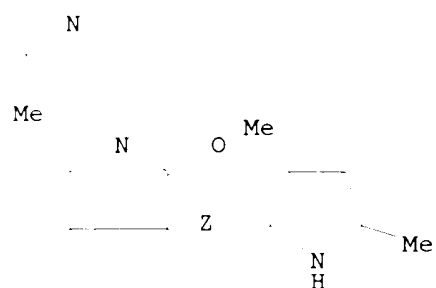
Double bond geometry as shown.



RN 375798-48-4 CAPLUS

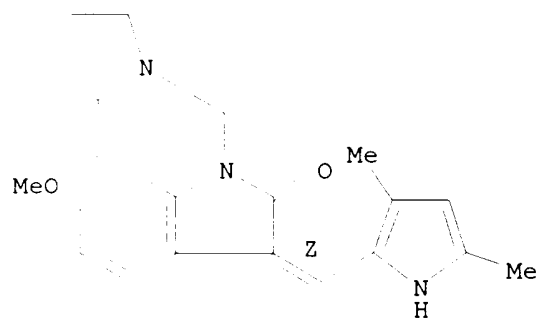
CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-[(2-methyl-1-pyrrolidinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



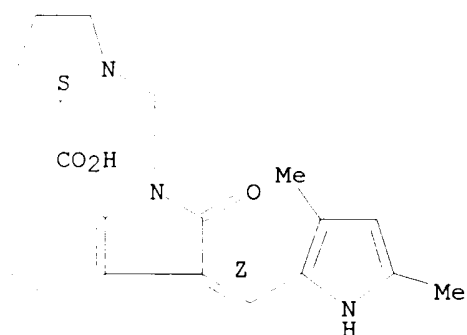
RN 375798-49-5 CAPLUS  
 CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [[2-(methoxymethyl)-1-pyrrolidinyl]methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 375798-50-8 CAPLUS  
 CN L-Proline, 1-[[[(3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-2,3-dihydro-2-oxo-1H-indol-1-yl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.



Examiner Anderson 703-605-1157





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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR

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N

N

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 7 TO 298  
PROJECTED ANSWERS: 0 TO 0

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FULL SCREEN SEARCH COMPLETED - 109 TO ITERATE

100.0% PROCESSED 109 ITERATIONS  
SEARCH TIME: 00.00.01

12 ANSWERS

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L4 5 L3

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L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:868450 CAPLUS

DOCUMENT NUMBER: 136:5903

TITLE: Preparation of 1-(pyrrolidin-1-ylmethyl)-3-(pyrrol-2-ylmethylidene)-2-indolinones as protein kinase activity modulators.

INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping

PATENT ASSIGNEE(S): Pharmacia + Upjohn Company, USA

SOURCE: PCT Int. Appl., 83 pp.

CODEN: PIXXD2

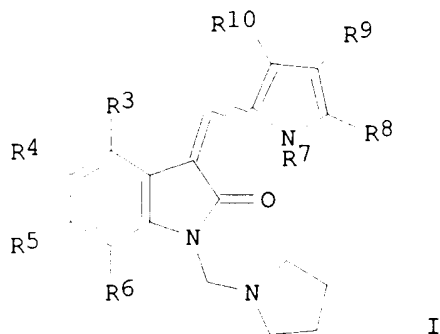
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090104	A2	20011129	WO 2001-US16756	20010524
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002032204	A1	20020314	US 2001-863804	20010524
US 2002035140	A1	20020321	US 2001-863905	20010524
US 2002037878	A1	20020328	US 2001-863819	20010524
PRIORITY APPLN. INFO.:			US 2000-207000P P	20000524
			US 2000-225045P P	20000811

OTHER SOURCE(S): MARPAT 136:5903  
GI

AB Title compds. [I; R3-R6 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, SH, alkylthio, arylthio, etc.; .gtoreq.2 of R3-R6 = H; R7 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, etc.; R8-R10 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, alkylthio, arylthio, etc.], were prepd. Thus, pyrrolidine was added to a mixt. of aq. H2CO and 3-(3,5-dimethyl-1H-pyrrol-2-ylmethylidene)-1,3-dihydroindol-2-one in MeOH; after 15 min. the mixt. was cooled to 0.degree. and filtered to give (3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1-(1-pyrrolidinylmethyl)-1,3-dihydro-2H-indol-2-one. The latter prodrug had a half life of 7.3 min. in dogs.

IT **375387-20-5P**

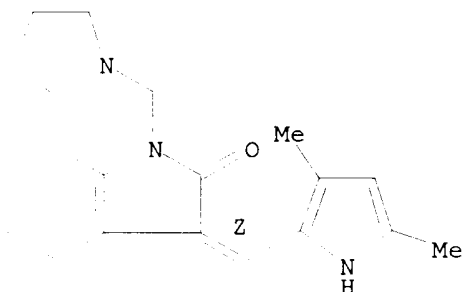
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of pyrrolidinylmethylpyrrolylmethylideneindolinones as protein kinase activity modulators)

RN 375387-20-5 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:868449 CAPLUS

DOCUMENT NUMBER: 136:5902

TITLE: Preparation of prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinones as modulators of protein kinase activity.

INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping; Koenig, Marcel

PATENT ASSIGNEE(S): Sugen, Inc., USA; Pharmacia + Upjohn Company

SOURCE: PCT Int. Appl., 123 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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Examiner Anderson 703-605-1157

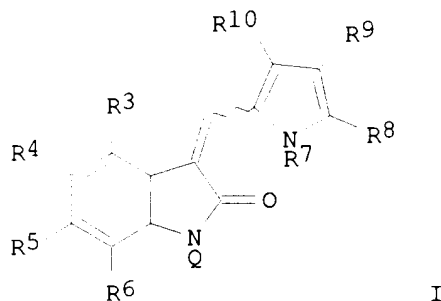
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 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,  
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,  
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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
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 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002032204 A1 20020314 US 2001-863804 20010524  
 US 2002035140 A1 20020321 US 2001-863905 20010524  
 US 2002037878 A1 20020328 US 2001-863819 20010524

PRIORITY APPLN. INFO.:

US 2000-207000P P 20000524  
 US 2000-225045P P 20000811

OTHER SOURCE(S): MARPAT 136:5902  
 GI



AB Title compds. [I; R3-R6 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, alkylthio, arylthio, etc.; .gtoreq.2 of R3-R6 = H; R3R4, R4R5, R5R6 = atoms to form aryl ring, OCH2O, OCH2OCH2; R7 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, etc.; R8-R10 = H, alkyl, trihaloalkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, OH, alkoxy, aryloxy, SH, arylthio, etc.; Q = CHR11OR21, COR51, OP(O)(ORa)(ORb); R11 = H, alkyl; R21 = H, alkyl, aralkyl, acyl; R51 = alkyl; Ra, Rb = H, alkyl], were prepd. as prodrugs for modulators of protein kinase activity (no data). Thus, 3-(3,5-dimethyl-1H-pyrrol-2-ylmethylidene)-1,3-dihydroindol-2-one was stirred 1 h with aq. H2CO and Et3N in DMF to give (3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylidene]-1-hydroxymethyl-1,3-dihydro-2H-indol-2-one.

IT **375387-20-5P 375798-45-1P 375798-53-1P**

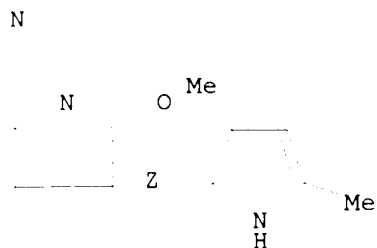
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinones as modulators of protein kinase activity)

RN 375387-20-5 CAPLUS

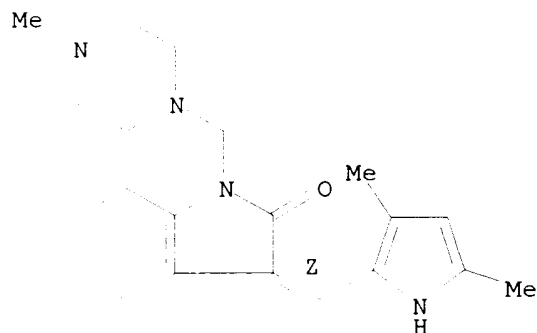
CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



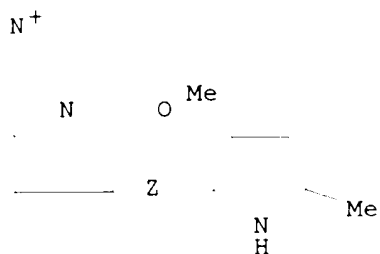
RN 375798-45-1 CAPLUS  
 CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [(4-methyl-1-piperazinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 375798-53-1 CAPLUS  
 CN Pyridinium, 1-[[[(3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-2,3-  
 dihydro-2-oxo-1H-indol-1-yl)methyl]-, chloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.



● Cl<sup>-</sup>

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:868415 CAPLUS

DOCUMENT NUMBER: 136:697

TITLE: Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone derivatives

INVENTOR(S): Moon, Malcolm Wilson; Morozowich, Walter; Gao, Ping; Tang, Peng Cho

PATENT ASSIGNEE(S): Sugen, Inc., USA; Pharmacia + Upjohn Company

SOURCE: PCT Int. Appl., 96 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001090068	A2	20011129	WO 2001-US16757	20010524
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002032204	A1	20020314	US 2001-863804	20010524
US 2002035140	A1	20020321	US 2001-863905	20010524
US 2002037878	A1	20020328	US 2001-863819	20010524

PRIORITY APPLN. INFO.:

US 2000-207000P P 20000524

US 2000-225045P P 20000811

OTHER SOURCE(S): MARPAT 136:697

AB The present invention is directed to Mannich base prodrugs of certain 3-(pyrrol-2-ylmethylidene)-2-indolinone derivs. that modulate the activity of protein kinases ("PKs"). Pharmaceutical compns. comprising these compds., methods of treating diseases related to abnormal PK activity

utilizing pharmaceutical compns. comprising these compds. and methods of prepg. them are also disclosed.

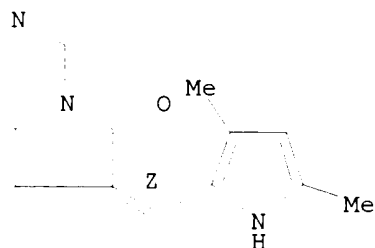
IT **375387-20-5P 375798-46-2P**

RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
(Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone derivs.)

RN 375387-20-5 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-(1-pyrrolidinylmethyl)-, (3Z)- (9CI) (CA INDEX NAME)

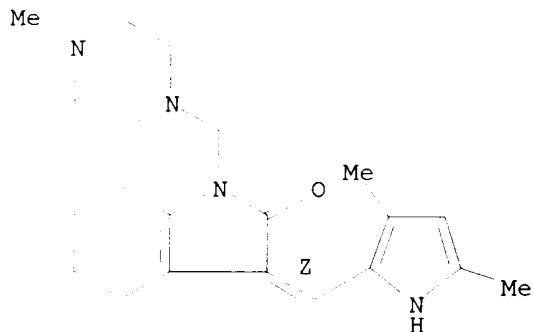
Double bond geometry as shown.



RN 375798-46-2 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-[(4-methyl-1-piperazinyl)methyl]-, dihydrochloride, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



●2 HCl

IT **375798-45-1P 375798-47-3P 375798-48-4P**

**375798-49-5P 375798-50-8P 375798-51-9P**

**375798-52-0P 375798-53-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)

Examiner Anderson 703-605-1157

(Mannich base prodrugs of 3-(pyrrol-2-ylmethylidene)-2-indolinone  
 derivs.)

RN 375798-45-1 CAPLUS

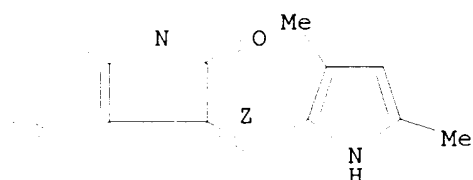
CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [(4-methyl-1-piperazinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

Me

N

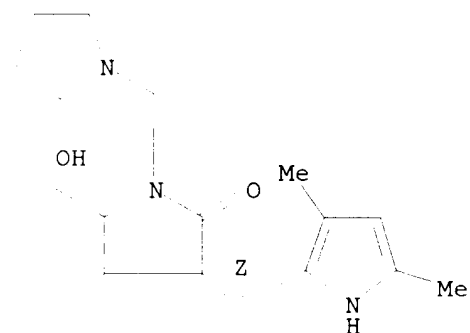
N



RN 375798-47-3 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [(2-hydroxy-1-pyrrolidinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

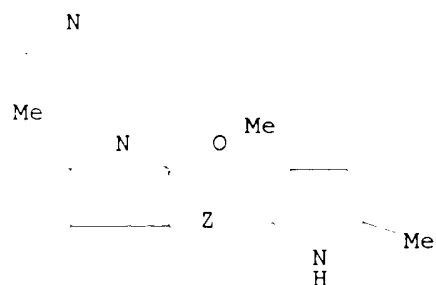


RN 375798-48-4 CAPLUS

CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [(2-methyl-1-pyrrolidinyl)methyl]-, (3Z)- (9CI) (CA INDEX NAME)

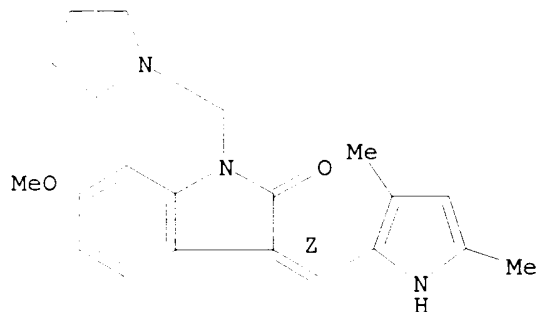
Double bond geometry as shown.





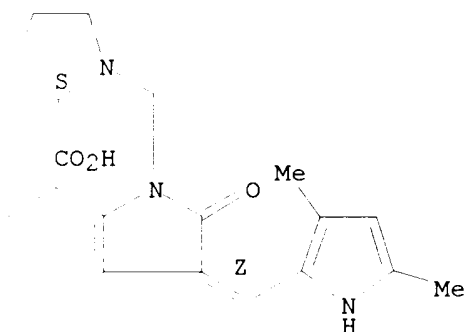
RN 375798-49-5 CAPLUS  
 CN 2H-Indol-2-one, 3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-1-  
 [[2-(methoxymethyl)-1-pyrrolidinyl]methyl]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



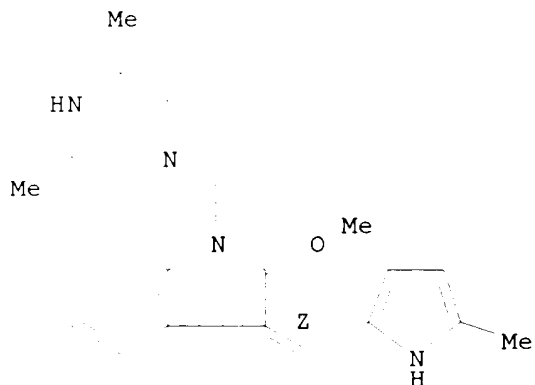
RN 375798-50-8 CAPLUS  
 CN L-Proline, 1-[[[(3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-2,3-dihydro-  
 2-oxo-1H-indol-1-yl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.  
 Double bond geometry as shown.



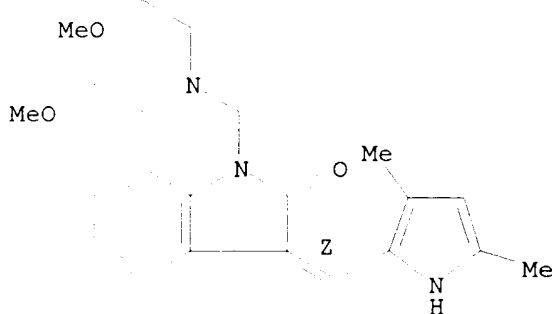
RN 375798-51-9 CAPLUS  
 CN 2H-Indol-2-one, 1-[(3,5-dimethyl-1-piperazinyl)methyl]-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



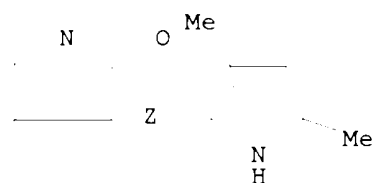
RN 375798-52-0 CAPLUS  
 CN 2H-Indol-2-one, 1-[[bis(2-methoxyethyl)amino]methyl]-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-1,3-dihydro-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 375798-53-1 CAPLUS  
 CN Pyridinium, 1-[[[(3Z)-3-[(3,5-dimethyl-1H-pyrrol-2-yl)methylene]-2,3-dihydro-2-oxo-1H-indol-1-yl]methyl]-, chloride (9CI) (CA INDEX NAME)

Double bond geometry as shown.

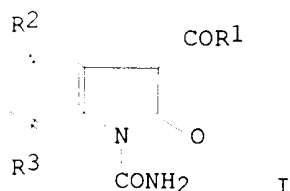
N<sup>+</sup>● Cl<sup>-</sup>

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1986:424187 CAPLUS  
 DOCUMENT NUMBER: 105:24187  
 TITLE: 3-Substituted 2-oxindole-1-carboxamides as analgesic  
 and antiinflammatory agents  
 INVENTOR(S): Kadin, Saul B.  
 PATENT ASSIGNEE(S): Pfizer Inc., USA  
 SOURCE: U.S., 7 pp. Cont.-in-part of U.S. Ser. No. 590,659,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4556672	A	19851203	US 1984-684634	19841221
IN 162090	A	19880326	IN 1985-DE147	19850221
EP 156603	A2	19851002	EP 1985-301808	19850315
EP 156603	A3	19860212		
EP 156603	B1	19890823		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CA 1251441	A1	19890321	CA 1985-476605	19850315
AT 45731	E	19890915	AT 1985-301808	19850315
DK 8501213	A	19850920	DK 1985-1213	19850318
DK 162090	B	19910916		
DK 162090	C	19920224		
FI 8501069	A	19850920	FI 1985-1069	19850318
FI 82042	B	19900928		
FI 82042	C	19910110		
NO 8501054	A	19850920	NO 1985-1054	19850318
NO 165799	B	19910102		
NO 165799	C	19910410		
AU 8540059	A1	19850926	AU 1985-40059	19850318
AU 549927	B2	19860220		
ES 541372	A1	19851216	ES 1985-541372	19850318

Examiner Anderson 703-605-1157

HU 37398	A2	19851228	HU 1985-992	19850318
HU 196178	B	19881028		
DD 232039	A5	19860115	DD 1985-274214	19850318
ZA 8501991	A	19861126	ZA 1985-1991	19850318
IL 74631	A1	19880731	IL 1985-74631	19850318
IL 85130	A1	19880731	IL 1985-85130	19850318
SU 1445556	A3	19881215	SU 1985-3869754	19850318
PL 145951	B1	19881231	PL 1985-252434	19850318
JP 60209564	A2	19851022	JP 1985-55627	19850319
JP 04037076	B4	19920618		
RO 90952	B3	19870227	RO 1985-118055	19850319
CS 249539	B2	19870312	CS 1985-1920	19850319
CN 85101028	A	19870117	CN 1985-101028	19850401
CN 1008733	B	19900711		
CN 85101795	A	19870408	CN 1985-101795	19850401
CN 1003855	B	19890412		
FI 8904540	A	19890926	FI 1989-4540	19890926
FI 82449	B	19901130		
FI 82449	C	19910311		
JP 04235165	A2	19920824	JP 1991-132826	19910604
JP 05061269	B4	19930906		
PRIORITY APPLN. INFO.:			US 1984-590659	19840319
			US 1984-684634	19841221
			EP 1985-301808	19850315
			FI 1985-1069	19850318
			IL 1985-74631	19850318
OTHER SOURCE(S):			CASREACT 105:24187	
GI				



AB Oxindoles I [R1 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, naphthyl, (CH2)<sub>n</sub>QR (Q = divalent heterocycle radical; R = H, C1-3 alkyl), etc.; R2 = H, F, Br, Cl, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, -sulfinyl, -sulfonyl, NO<sub>2</sub>, Ph, C2-4 alkanoyl, Bz, thenoyl, C2-4 alkanamido, BzNH, di-C1-3 alkylsulfamoyl, CF<sub>3</sub>; R3 = H, F, Cl, Br, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, CF<sub>3</sub>; R2R3 = 4,5-, 5,6-, 6,7-OCH<sub>2</sub>O or OCH<sub>2</sub>CH<sub>2</sub>O, (CH<sub>2</sub>)<sub>n</sub> (n = 3,4), CH:CHCH:CH, XCH<sub>2</sub>CH<sub>2</sub> (X = O, S), XCH:CH], useful as analgesics and antiinflammatories at 0.01-1.0 g/day, were prepd. 5-Chloro-2-oxindole reacted with Me<sub>2</sub>CHCONCO in refluxing PhMe to give N-isobutyryl-5-chloro-2-oxindole-1-carboxamide which was hydrolyzed with 1N KOH to give 5,2-Cl(H<sub>2</sub>NCONH)C<sub>6</sub>H<sub>3</sub>CH<sub>2</sub>CO<sub>2</sub>H. This was cyclized with (F<sub>3</sub>CCO)<sub>2</sub>O in refluxing F<sub>3</sub>CCO<sub>2</sub>H 1 h to give 5-chloro-2-oxindole-1-carboxamide which was acylated with 2-thenoyl chloride in DMF and 4-(dimethylamino)pyridine to give I (R1 = 2-thienyl,

R2 = 5-Cl, R3 = H).

IT 100666-54-4P 100666-55-5P

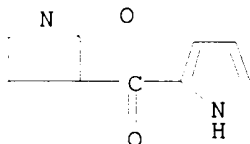
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as analgesic and(or) antiinflammatory)

RN 100666-54-4 CAPLUS

CN 1H-Indole-1-carboxamide, 2,3-dihydro-2-oxo-3-(1H-pyrrol-2-ylcarbonyl)-  
(9CI) (CA INDEX NAME)

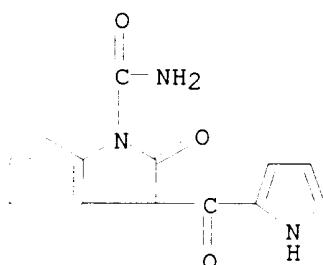
O

C-NH<sub>2</sub>



RN 100666-55-5 CAPLUS

CN 1H-Indole-1-carboxamide, 5-chloro-2,3-dihydro-2-oxo-3-(1H-pyrrol-2-ylcarbonyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1986:109468 CAPLUS

DOCUMENT NUMBER: 104:109468

TITLE: 3-Substituted 2-oxindole-1-carboxamides as analgesic  
and antiinflammatory agents

INVENTOR(S): Kadin, Saul Bernard

PATENT ASSIGNEE(S): Pfizer Inc., USA

SOURCE: Eur. Pat. Appl., 87 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 156603	A2	19851002	EP 1985-301808	19850315
EP 156603	A3	19860212		

Examiner Anderson 703-605-1157

EP 156603 B1 19890823  
 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE  
 US 4556672 A 19851203 US 1984-684634 19841221  
 AT 45731 E 19890915 AT 1985-301808 19850315  
 PRIORITY APPLN. INFO.: US 1984-590659 19840319  
 US 1984-684634 19841221  
 EP 1985-301808 19850315

GI

X COR1

Y  $\begin{array}{c} \text{N} \\ \text{CONH}_2 \end{array}$  I

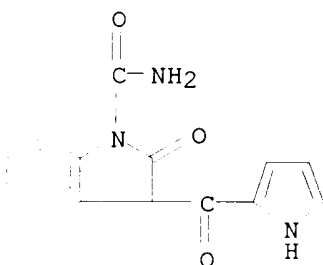
AB The title compds. I (X = H, halo, C1-4 alkyl, C3-7 cycloalkyl, C1-4 alkoxy, alkylthio, CF<sub>3</sub>, NO<sub>2</sub>, Ph, C2-4 alkanoyl, etc.; Y = H, halo, C1-4 alkyl, alkoxy, alkylthio, C3-7 cycloalkylthio, CF<sub>3</sub>; XY = 4,5-, 5,6- or 6,7-ethylene- or -methylenedioxy, etc.; R1 = C1-6 alkyl, C3-7 cycloalkyl, (un)substituted Ph, C4-7 cycloalkenyl, naphthyl, (CH<sub>2</sub>)<sub>n</sub>QR, etc., Q = heterocyclyl, R = H, C1-3 alkyl; n = 0-2) and their salts, useful as analgesics and inflammation inhibitors, were prepd. Thus, 5-chloro-2-oxindole-1-carboxamide in 4-(dimethylamino)pyridine was reacted with 2-thenoyl chloride to give 5-chloro-3-(2-thenoyl)-2-oxindole-1-carboxamide (I; X = 5-Cl, Y = H, R1 = 2-thienyl). The analgesic and antiinflammatory activities of I were demonstrated in mice and rats, resp.

IT **100666-54-4P 100666-55-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of, as analgesic and inflammation inhibitor)

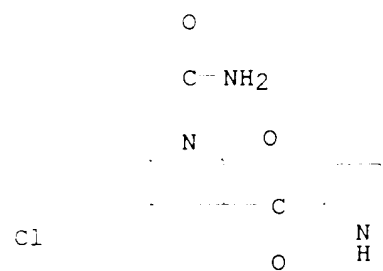
RN 100666-54-4 CAPLUS

CN 1H-Indole-1-carboxamide, 2,3-dihydro-2-oxo-3-(1H-pyrrol-2-ylcarbonyl)-  
 (9CI) (CA INDEX NAME)



RN 100666-55-5 CAPLUS

CN 1H-Indole-1-carboxamide, 5-chloro-2,3-dihydro-2-oxo-3-(1H-pyrrol-2-ylcarbonyl)- (9CI) (CA INDEX NAME)



Day : Tuesday  
Date: 5/14/2002

## PALM INTRANET

Time: 07:47:51

## Inventor Name Search Result

Your Search was:

Last Name = MOON

First Name = MALCOLM

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>06048330</u>	4251438	150	06/14/1979	PIPERAZINONE AND PIPERAZINE POLYPEPTIDES	MOON , MALCOLM W.
<u>06153435</u>	4593098	150	05/27/1980	PIPERAZINONE AND PIPERAZINE POLYPEPTIDES	MOON , MALCOLM W.
<u>06217559</u>	Not Issued	161	12/17/1980	INTERNAL COMBUSTION ENGINE STARTER MOTOR CONTROL ARRANGEMENTS	MOON, MALCOLM W.
<u>06598608</u>	4534897	250	04/10/1984	PIPERAZINONE AND PIPERAZINE 1,4-DIAZEPIN -2- ONE AND 1,4-DIAZEPINE INTERMEDIATE COMPOUNDSS	MOON , MALCOLM W.
<u>07223576</u>	Not Issued	168	07/25/1988	ACETYLENIC IMIDAZOLES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.
<u>07263672</u>	Not Issued	168	10/27/1988	HETEROCYCLIC ACETYLENIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.
<u>07364374</u>	Not Issued	168	06/09/1989	HETEROCYCLIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.
<u>07675891</u>	5137905	150	04/05/1991	HETEROCYCLIC ACETYLENIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.
<u>07778204</u>	5273975	150	12/06/1991	HETEROCYCLIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.
<u>07853671</u>	5157124	150	03/19/1992	HETEROCYCLIC ACETYLENIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON , MALCOLM W.



07923107	5225567	150	07/30/1992	HETEROCYCLIC ACETYLENIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON, MALCOLM W.
08132633	5436240	150	10/06/1993	HETEROCYCLIC AMINES HAVING CENTRAL NERVOUS SYSTEM ACTIVITY	MOON, MALCOLM W.
09759286	Not Issued	168	01/11/2001	(R)-5,6-DIHYDRO-5-(METHYLAMINO)-4H-IMIDAZO[4,5,1-IJ]QUINOLIN-2(1H)-ONE MALEATE	MOON, MALCOLM WILSON
09838054	Not Issued	041	04/19/2001	(5R)-(METHYLAMINO)-5,6-DIHYDRO-4H-IMIDAZO[4,5,1-IJ]QUINOLINE-2(1H)-THIONE	MOON, MALCOLM WILSON
09863804	Not Issued	071	05/24/2001	MANNICH BASE PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOON, MALCOLM WILSON
09863819 16C3	Not Issued	061	05/24/2001	PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOON, MALCOLM WILSON
09863905 Allowed filed	Not Issued	093	05/24/2001	1-(PYRROLIDIN-1-YLMETHYL)-3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOON, MALCOLM WILSON
09887578	Not Issued	041	06/22/2001	HETEROCYCLE CARBOXAMIDES AS ANTIVIRAL AGENTS	MOON, MALCOLM WILSON
60207000	Not Issued	159	05/24/2000	PRODRUGS OF INDOLINONE COMPOUNDS	MOON, MALCOLM WILSON
60218115	Not Issued	020	07/13/2000	HETEROCYCLE CARBOXAMIDES AS ANTIVIRAL AGENTS	MOON, MALCOLM WILSON
60225045	Not Issued	020	08/11/2000	PRODRUGS OF INDOLINONE COMPOUNDS	MOON, MALCOLM WILSON
60272143	Not Issued	020	02/28/2001	HETEROCYCLE CARBOXAMIDES AS ANTIVIRAL AGENTS	MOON, MALCOLM WILSON
60342818	Not Issued	020	12/20/2001	PYRIDOQUINOXALINE ANTIVIRALS	MOON, MALCOLM WILSON
60342874	Not Issued	020	12/20/2001	PYRIDOQUINOXALINE ANTIVIRALS	MOON, MALCOLM WILSON
60361979	Not	019	03/06/2002	QUATERNARY AMMONIUM	MOON,

[Search and Display More Records.](#)

---

	Last Name	First Name	
<b>Search Another: Inventor</b>	<input type="text" value="MOON"/>	<input type="text" value="MALCOLM"/>	<input type="button" value="Search"/>

(To go back use Back button on your browser toolbar.)

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

Day : Tuesday  
Date: 5/14/2002**PALM INTRANET**

Time: 07:49:08

**Inventor Name Search Result**

Your Search was:

Last Name = MOROZOWICH

First Name = WALTER

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">05497243</a>	<a href="#">4324905</a>	150	08/14/1974	PHENACYL-TYPE ESTERS OF PGF2ALPHA AND ITS 15-METHYL ANALOGS	MOROZOWICH , WALTER
<a href="#">05497244</a>	<a href="#">4304926</a>	150	08/14/1974	COMPOUNDS PHENACYL-TYPE ESTERS OF PGE-TYPE	MOROZOWICH , WALTER
<a href="#">05898224</a>	<a href="#">4205011</a>	150	04/20/1978	INTER-PHENYLENE-OMEGA-ARYL-PG AMIDES	MOROZOWICH , WALTER
<a href="#">05898251</a>	<a href="#">4207257</a>	150	04/20/1978	INTER-PHENYLENE-13,14-DIHYDRO-PG AMIDES	MOROZOWICH , WALTER
<a href="#">06791312</a>	Not Issued	168	10/25/1985	STABLE, RAPIDLY DISSOLVING ALUMINIUM HYDROXY IBURPROFEN COMPOSITIONS	MOROZOWICH , WALTER
<a href="#">07267895</a>	Not Issued	168	11/07/1988	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH , WALTER
<a href="#">07660605</a>	Not Issued	166	02/22/1991	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH , WALTER
<a href="#">07995306</a>	Not Issued	166	12/22/1992	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH , WALTER
<a href="#">08143971</a>	Not Issued	166	10/27/1993	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH , WALTER
<a href="#">08300874</a>	Not Issued	166	09/06/1994	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH , WALTER

<u>08419961</u>	Not Issued	161	04/07/1995	C1-ETHERS AND SUBSTITUTED ACYL ESTERS OF GLYCEROLPHOSPHOLIPID DRUG CARRIERS	MOROZOWICH, WALTER
<u>09122926</u>	Not Issued	071	07/27/1998	SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	MOROZOWICH, WALTER
<u>09122927</u>	<u>6231887</u>	150	07/27/1998	PHARMACEUTICAL COMPOSITION FOR ACIDIC LIPOPHILIC COMPOUNDS IN A FORM OF A SELF-EMULSIFYING FORMULATION	MOROZOWICH, WALTER
<u>09123069</u>	<u>6121313</u>	150	07/27/1998	PHARMACEUTICAL COMPOSITION IN A FORM OF SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	MOROZOWICH, WALTER
<u>09327135</u>	<u>6177101</u>	150	06/07/1999	DELAVIRDINE TABLET FORMULATION	MOROZOWICH, WALTER
<u>09532396</u>	Not Issued	071	03/22/2000	PHARMACEUTICAL EMULSIONS FOR RETROVIRAL PROTEASE INHIBITORS	MOROZOWICH, WALTER
<u>09656364</u>	Not Issued	071	09/06/2000	TABLET FORMULATION	MOROZOWICH, WALTER
<u>09863804</u>	Not Issued	071	05/24/2001	MANNICH BASE PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOROZOWICH, WALTER
<u>09863819</u>	Not Issued	061	05/24/2001	PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOROZOWICH, WALTER
<u>09863905</u>	Not Issued	093	05/24/2001	1-(PYRROLIDIN-1-YLMETHYL)-3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	MOROZOWICH, WALTER
<u>09909691</u>	Not Issued	030	07/20/2001	SELF-EMULSIFYING DRUG DELIVERY SYSTEMS FOR EXTREMELY WATER-INSOLUBLE, LIPOPHILIC DRUGS	MOROZOWICH, WALTER
<u>10047222</u>	Not Issued	019	01/15/2002	PHARMACEUTICAL COMPOSITION HAVING REDUCED TENDENCY FOR DRUG CRYSTALLIZATION	MOROZOWICH, WALTER

10047902	Not Issued	020	01/14/2002	CHEMOTHERAPEUTIC MICROEMULSION COMPOSITIONS OF PACLITAXEL WITH IMPROVED ORAL BIOAVAILABILITY	MOROZOWICH, WALTER
60054012	Not Issued	159	07/29/1997	PHARMACEUTICAL COMPOSITION FOR ACIDIC LIPOPHILIC COMPOUNDS IN A FORM OF SELF- EMULSIFYING FORMULATION	MOROZOWICH , WALTER
60054078	Not Issued	159	07/29/1997	PHARMACEUTICAL COMPOSITION IN A FORM OF SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	MOROZOWICH , WALTER

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60088960</a>	Not Issued	159	06/11/1998	DELAVIRDINE TABLET FORMULATION	MOROZOWICH , WALTER
<a href="#">60127026</a>	Not Issued	159	03/31/1999	PHARMACEUTICAL EMULSIONS FOR RETROVIRAL PROTEASE INHIBITORS	MOROZOWICH , WALTER
<a href="#">60207000</a>	Not Issued	159	05/24/2000	PRODRUGS OF INDOLINONE COMPOUNDS	MOROZOWICH, WALTER
<a href="#">60220376</a>	Not Issued	020	07/24/2000	SELF-EMULSIFYING DRUG DELIVERY SYSTEMS FOR EXTREMELY WATER-INSOLUBLE, LIPOPHILIC DRUGS	MOROZOWICH, WALTER
<a href="#">60225045</a>	Not Issued	020	08/11/2000	PRODRUGS OF INDOLINONE COMPOUNDS	MOROZOWICH, WALTER
<a href="#">60262555</a>	Not Issued	020	01/18/2001	CHEMOTHERAPEUTIC MICRO-EMULSION COMPOSITIONS OF PACLITAXEL WITH IMPROVED ORAL ABSORPTION	MOROZOWICH, WALTER
<a href="#">60284608</a>	Not Issued	020	04/17/2001	PHARMACEUTICAL COMPOSITION HAVING REDUCED TENDENCY FOR DRUG CRYSTALLIZATION	MOROZOWICH, WALTER
<a href="#">60361979</a>	Not Issued	019	03/06/2002	QUATERNARY AMMONIUM COMPOUNDS	MOROZOWICH, WALTER
<a href="#">60363687</a>	Not Issued	020	03/12/2002	PHARMACEUTICAL COMPOSITION AND METHOD OF USING SAME FOR TREATMENT OF MIGRAINE HEADACHES	MOROZOWICH, WALTER

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>08698874</u>	5698723	150	08/16/1996	PROCESS FOR THE PREPARATION OF BISTRIPHENYLSILYL CHROMATE	GAO , PING
<u>09122926</u>	Not Issued	071	07/27/1998	SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	GAO , PING
<u>09122927</u>	6231887	150	07/27/1998	PHARMACEUTICAL COMPOSITION FOR ACIDIC LIPOPHILIC COMPOUNDS IN A FORM OF A SELF-EMULSIFYING FORMULATION	GAO , PING
<u>09123069</u>	6121313	150	07/27/1998	PHARMACEUTICAL COMPOSITION IN A FORM OF SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	GAO , PING
<u>09231422</u>	Not Issued	041	01/14/1999	METHODS, KITS, AND ANTIBODIES FOR DETECTING PARATHYROID HORMONE	GAO , PING
<u>09344639</u>	Not Issued	041	06/26/1999	METHODS FOR DIFFERENTIATING AND MONITORING PARATHYROID AND BONE STATUS RELATED DISEASES	GAO , PING
<u>09636531</u>	Not Issued	019	08/10/2000	METHODS FOR DIFFERENTIATING AND MONITORING PARATHYROID AND BONE STATUS RELATED DISEASES	GAO, PING
<u>09863804</u>	Not Issued	071	05/24/2001	MANNICH BASE PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-	GAO, PING



				INDOLINONE DERIVATIVES	
<u>09863819</u>	Not Issued	061	05/24/2001	PRODRUGS OF 3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	GAO, PING
<u>09863905</u>	Not Issued	093	05/24/2001	1-(PYRROLIDIN-1-YLMETHYL)-3-(PYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES	GAO, PING
<u>09866165</u>	Not Issued	030	05/25/2001	USE OF A CELECOXIB COMPOSITION FOR FAST PAIN RELIEF	GAO, PING
<u>09909691</u>	Not Issued	030	07/20/2001	SELF-EMULSIFYING DRUG DELIVERY SYSTEMS FOR EXTREMELY WATER-INSOLUBLE, LIPOPHILIC DRUGS	GAO, PING
<u>10013332</u>	Not Issued	019	12/07/2001	METHODS, KITS, AND ANTIBODIES FOR DETECTING PARATHYROID HORMONE	GAO, PING
<u>10047222</u>	Not Issued	019	01/15/2002	PHARMACEUTICAL COMPOSITION HAVING REDUCED TENDENCY FOR DRUG CRYSTALLIZATION	GAO, PING
<u>10047902</u>	Not Issued	020	01/14/2002	CHEMOTHERAPEUTIC MICROEMULSION COMPOSITIONS OF PACLITAXEL WITH IMPROVED ORAL BIOAVAILABILITY	GAO, PING
<u>60054012</u>	Not Issued	159	07/29/1997	PHARMACEUTICAL COMPOSITION FOR ACIDIC LIPOPHILIC COMPOUNDS IN A FORM OF SELF-EMULSIFYING FORMULATION	GAO, PING
<u>60054078</u>	Not Issued	159	07/29/1997	PHARMACEUTICAL COMPOSITION IN A FORM OF SELF-EMULSIFYING FORMULATION FOR LIPOPHILIC COMPOUNDS	GAO, PING
<u>60207000</u>	Not Issued	159	05/24/2000	PRODRUGS OF INDOLINONE COMPOUNDS	GAO, PING
<u>60220376</u>	Not Issued	020	07/24/2000	SELF-EMULSIFYING DRUG DELIVERY SYSTEMS FOR EXTREMELY WATER-INSOLUBLE, LIPOPHILIC DRUGS	GAO, PING
<u>60225045</u>	Not	020	08/11/2000	PRODRUGS OF INDOLINONE	GAO, PING

	Issued			COMPOUNDS	
<a href="#">60253215</a>	Not Issued	020	11/27/2000	ARRAYS OF SMALL MOLECULE CHEMICAL LIBRARIES ATTACHED TO A SUBSTRATE AND HIGH-THROUGHPUT SCREENING THEREOF	GAO, PING
<a href="#">60262555</a>	Not Issued	020	01/18/2001	CHEMOTHERAPEUTIC MICRO-EMULSION COMPOSITIONS OF PACLITAXEL WITH IMPROVED ORAL ABSORPTION	GAO, PING
<a href="#">60284381</a>	Not Issued	020	04/17/2001	FINELY SELF-EMULSIFIABLE PHARMACEUTICAL COMPOSITION	GAO, PING
<a href="#">60284589</a>	Not Issued	020	04/17/2001	STABILIZED ORAL PHARMACEUTICAL COMPOSITION	GAO, PING
<a href="#">60284608</a>	Not Issued	020	04/17/2001	PHARMACEUTICAL COMPOSITION HAVING REDUCED TENDENCY FOR DRUG CRYSTALLIZATION	GAO, PING

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">60326952</a>	Not Issued	020	10/04/2001	FINELY SELF-EMULSIFIABLE PHARMACEUTICAL COMPOSITION	GAO, PING
<a href="#">60331800</a>	Not Issued	020	11/21/2001	PHARMACEUTICAL FORMULATIONS COMPRISING INDOLINONE DERIVATIVES	GAO, PING
<a href="#">60357959</a>	Not Issued	020	02/19/2002	STABILIZED ORAL PHARMACEUTICAL COMPOSITION	GAO, PING
<a href="#">60363687</a>	Not Issued	020	03/12/2002	PHARMACEUTICAL COMPOSITION AND METHOD OF USING SAME FOR TREATMENT OF MIGRAINE HEADACHES	GAO, PING
<a href="#">60371200</a>	Not Issued	019	04/09/2002	PROCESS FOR PREPARING A FINELY SELF-EMULSIFIABLE PHARMACEUTICAL COMPOSITION	GAO, PING

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## Inventor Name Search Result

Your Search was:

Last Name = TANG

First Name = PENG

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">07230637</a>	Not Issued	161	08/10/1988	ANTIPSORIATIC AGENTS	TANG , PENG C.
<a href="#">07270991</a>	<a href="#">5075327</a>	150	11/14/1988	ANTIPSORIATIC AGENTS	TANG , PENG C.
<a href="#">07764659</a>	Not Issued	161	09/24/1991	ANTIPSORIATIC AGENTS	TANG , PENG CHO
<a href="#">08014913</a>	<a href="#">5412123</a>	150	02/08/1993	ANTHRAQUINONE AND ANTHRACENE DERIVATIVES AS INHIBITORS OF THE CELL-ADHESION MOLECULES OF THE IMMUNE SYSTEM	TANG , PENG CHO
<a href="#">08102032</a>	<a href="#">5508387</a>	150	08/04/1993	SELECTIN BINDING GLYCOPEPTIDES	TANG , PENG C.
<a href="#">08258307</a>	<a href="#">5783568</a>	150	06/10/1994	METHODS FOR TREATING CANCER AND OTHER CELL PROLIFERATIVE DISEASES	TANG , PENG C.
<a href="#">08289715</a>	<a href="#">5658880</a>	150	08/12/1994	SIALIC ACID/FUCOSE BASED MEDICAMENTS	TANG , PENG C.
<a href="#">08370574</a>	<a href="#">5990141</a>	150	01/06/1995	TREATMENT OF PLATELET DERIVED GROWTH FACTOR RELATED DISORDERS SUCH AS CANCERS	TANG , PENG C.
<a href="#">08399967</a>	<a href="#">5789427</a>	150	03/07/1995	METHODS AND COMPOSITIONS FOR INHIBITING CELL PROLIFERATIVE DISCORDERS	TANG , PENG C.
<a href="#">08426789</a>	<a href="#">5721277</a>	150	04/21/1995	COMPOUNDS AND METHODS FOR INHIBITING HYPER-PORLIFERATIVE CELL GROWTH	TANG , PENG C.
<a href="#">08457047</a>	<a href="#">5700822</a>	150	06/01/1995	TREATMENT OF PLATELET DERIVED GROWTH FACTOR RELATED DISORDERS SUCH AS CANCERS	TANG , PENG C.

08462046	5763441	150	06/05/1995	COMPOUNDS FOR THE TREATMENT OF DISORDERS RELATED TO VASCULOGENESIS AND/OR ANGIOGENESIS	TANG , PENG CHO
08462391	5792771	150	06/05/1995	QUINAZOLINE COMPOUNDS AND COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
08463247	5981569	150	06/05/1995	SUBSTITUTED PHENYLACRYLONITRILE COMPOUNDS AND COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
08468887	5654282	150	06/06/1995	SELECTIN BINDING GYLCOPEPTIDES	TANG , PENG C.
08476136	Not Issued	168	06/07/1995	METHODS AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG , PENG C.
08476137	Not Issued	161	06/07/1995	PHOSPHATASE INHIBITORS	TANG , PENG CHO
08478222	Not Issued	161	06/07/1995	COMPOUNDS FOR THE TREATMENT OF CANCER AND OTHER DISORDERS	TANG , PENG C.
08479876	5763470	150	06/07/1995	NOVEL BENZOPYRAN COMPOUNDS AND METHODS FOR THEIR USE	TANG , PENG C.
08480275	Not Issued	161	06/07/1995	NOVEL TYRPHOSTIN LIKE COMPOUNDS	TANG , PENG C.
08480589	Not Issued	161	06/07/1995	NOVEL QUANAZOLINES	TANG , PENG C.
08480598	Not Issued	161	06/07/1995	NOVEL COMPOUNDS FOR THE TREATMENT OF PROLIFERATIVE DISEASE	TANG , PENG
08481954	5798374	150	06/07/1995	METHODS OF INHIBITING PHOSPHATASE ACTIVITY AND TREATMENT OF DISORDERS ASSOCIATED THEREWITH	TANG , PENG C.
08481955	5602171	150	06/07/1995	METHODS OF INHIBITING PHOSPHATASE ACTIVITY AND TREATMENT OF DISORDERS ASSOCIATED THEREWITH USING NAPHTHOPYRONES AND DERIVATIVES THEREOF	TANG , PENG C.
08482204	Not	168	06/07/1995	THIOPENES AND THEIR USE	TANG , PENG C.

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">08482252</a>	Not Issued	161	06/07/1995	THIAZOLIDINE INHIBITORS OF KINASE ACTIVITY	TANG , PENG C.
<a href="#">08482531</a>	Not Issued	168	06/07/1995	THIENO[2,3-E] PYRIMIDINES AND USES THEREOF	TANG , PENG C.
<a href="#">08485323</a>	<a href="#">5880141</a>	150	06/07/1995	BENZYLIDENE-Z-INDOLINE COMPOUNDS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<a href="#">08486775</a>	<a href="#">5773476</a>	150	06/07/1995	METHODS AND COMPOSITIONS FOR INHIBITING CELL PROLIFERATIVE DISORDERS	TANG , PENG C.
<a href="#">08486816</a>	<a href="#">5773459</a>	150	06/07/1995	NOVEL UREA- AND THIOUREA-TYPE COMPOUNDS	TANG , PENG C.
<a href="#">08487088</a>	Not Issued	161	06/07/1995	NOVEL PHARMACEUTICAL COMPOUNDS	TANG , PENG C.
<a href="#">08487089</a>	<a href="#">5710173</a>	150	06/07/1995	THIENYL COMPOUNDS FOR INHIBITION OF CELL PROLIFERATIVE DISORDERS	TANG , PENG C.
<a href="#">08487090</a>	<a href="#">5650415</a>	150	06/07/1995	NOVEL QUINOLINE COMPOUNDS	TANG , PENG C.
<a href="#">08599453</a>	<a href="#">5614642</a>	150	01/22/1996	METHODS OF INHIBITING PHOSPHATASE ACTIVITY AND TREATMENT OF DISORDERS ASSOCIATED THEREWITH USING NAPHTHOPYRONES AND DERIVATIVES THEREOF	TANG , PENG C.
<a href="#">08604160</a>	<a href="#">5837689</a>	150	02/21/1996	SIALYL LEWIS-X MIMETICS CONTAINING NAPHTHYL BACKBONES	TANG , PENG C.
<a href="#">08604162</a>	<a href="#">5789385</a>	150	02/21/1996	SIALYL LEWIS* MIMETICS CONTAINING PHENYL BACKBONES	TANG , PENG C.
<a href="#">08604163</a>	Not Issued	161	02/21/1996	SIALYL LEWIS-XMIMETICS CONTAINING FLAVONOID	TANG , PENG C.

				BACKBONES	
<u>08634917</u>	<u>5760066</u>	150	04/19/1996	COMPOUNDS AND METHODS FOR INHIBITING HYPER-PROLIFERATIVE CELL GROWTH	TANG , PENG C.
<u>08655223</u>	<u>5792783</u>	150	06/05/1996	3-HETEROARYL-2-INDOLINONE COMPOUNDS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<u>08655224</u>	<u>5883116</u>	150	06/05/1996	3-(2'-ALKOXYBENZYLIDENYL)-2-INDOLINONE AND ANALOGUES THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
<u>08655225</u>	<u>5834504</u>	150	06/05/1996	3-(2'-HALOBENZYLIDENYL)-2-INDOLINONE COMPOUNDS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<u>08655226</u>	<u>5886020</u>	150	06/05/1996	3-(4'-DIMETHYLAMINO BENZYLIDENYL)-2-INDOLINONE AND ANALOGUES THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<u>08658337</u>	<u>5780496</u>	150	06/05/1996	METHOD AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG , PENG C.
<u>08659191</u>	<u>5883113</u>	150	06/05/1996	3-(4'-BROMOBENZYLIDENYL)-2-INDOLINONE AND ANALOGUES THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<u>08660896</u>	Not Issued	161	06/07/1996	PHOSPHATASE INHIBITORS	TANG , PENG C.
<u>08660900</u>	<u>5883110</u>	150	06/07/1996	PHARMACEUTICAL COMPOSITIONS AND METHODS FOR MODULATING SIGNAL TRANSDUCTION	TANG , PENG C.
<u>08702232</u>	Not Issued	161	08/23/1996	INDOLINONE COMBINATORIAL LIBRARIES AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
<u>08807339</u>	<u>6103728</u>	150	02/28/1997	NOVEL QUINAZOLINES	TANG , PENG CHO
<u>08853239</u>	<u>5849742</u>	150	05/09/1997	COMPOUNDS FOR THE TREATMENT OF DISORDERS RELATED TO VASCULOGENESIS AND/OR ANGIOGENESIS	TANG , PENG CHO
<u>08861267</u>	Not Issued	157	05/21/1997	2-SUBSTITUTED LEX C-FUCOSIDE ANALOGUES AND RELATED COMPOUNDS	TANG , PENG CHO



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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">08861272</a>	Not Issued	157	05/21/1997	FUC (C) SUBSTITUTED SIALYL LEWIS AND SIALYL LACTOSE COMPOUNDS	TANG , PENG CHO
<a href="#">08915366</a>	<a href="#">6147106</a>	150	08/20/1997	INDOLINONE COMBINATORIAL LIBRARIES AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
<a href="#">08927442</a>	<a href="#">6004967</a>	150	09/11/1997	PSORIASIS TREATMENT WITH QUINAZOLINE COMPOUNDS	TANG , PENG CHO
<a href="#">08957260</a>	<a href="#">5891917</a>	150	10/24/1997	CERTAIN ACRYLONITRILE-SULFONAMIDE DERIVATIVES	TANG , PENG CHO
<a href="#">08957420</a>	<a href="#">5935993</a>	150	10/24/1997	NOVEL TYRPHOSTIN LIKE COMPOUNDS	TANG , PENG CHO
<a href="#">08964791</a>	<a href="#">5786488</a>	150	11/05/1997	SYNTHETIC METHODS FOR THE PREPARATION OF INDOLYQUINONES	TANG , PENG C.
<a href="#">08971086</a>	<a href="#">5914343</a>	150	11/14/1997	COMPOUNDS AND METHODS FOR INHIBITING HYPER-PROLIFERATIVE CELL GROWTH	TANG , PENG CHO
<a href="#">08971274</a>	<a href="#">5886195</a>	150	11/17/1997	THIENYL COMPOUNDS FOR INHIBITION OF CELL PROLIFERATIVE DISORDERS	TANG , PENG CHO
<a href="#">08982756</a>	Not Issued	161	12/02/1997	TYROSINE,SERINE, AND THREONINE KINASE MODULATORS AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<a href="#">08988833</a>	<a href="#">6080772</a>	150	12/11/1997	THAIZOLE COMPOUNDS AND METHODS OF MODULATING SIGNAL TRANSDUCTION	TANG , PENG CHO

<u>09004103</u>	Not Issued	161	01/07/1998	SYNTHESIS OF QUINAZOLINE DERIVATIVES	TANG , PENG CHO
<u>09070318</u>	Not Issued	161	04/29/1998	METHODS AND COMPOSITIONS FOR INHIBITING CELL PROLIFERATIVE DISORDERS	TANG , PENG CHO
<u>09071682</u>	6204267	150	05/01/1998	METHODS OF MODULATING SERINE/THREONINE PROTEIN KINASE FUNCTION WITH QUINAZOLINE-BASED COMPOUNDS	TANG , PENG C.
<u>09072861</u>	6110957	150	05/05/1998	SYNTHETIC METHODS FOR THE PREPARATION OF INDOLYLQUINONES AND MONO- BIS-INDOLYLQUINONES PREPARED THEREFROM	TANG , PENG C.
<u>09074621</u>	6316429	150	05/07/1998	BICYCLIC PROTEIN KINASE INHIBITORS	TANG , PENG CHO
<u>09075271</u>	Not Issued	080	05/08/1998	3-(PIPERAZINYLBENZYLIDENYL)-2-INDOLINONE COMPOUNDS AND DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<u>09080217</u>	Not Issued	161	05/18/1998	2-SUBSTITUTED LEX C-FUCOSIDE ANALOGUES AND RELATED COMPOUNDS	TANG , PENG CHO
<u>09080958</u>	Not Issued	161	05/19/1998	FUC(C) SUBSTITUTED SIALYL LEWISC AND SIALYL LACTOSE COMPOUNDS	TANG , PENG CHO
<u>09081917</u>	6316479	150	05/19/1998	ISOXAZOLE-4-CARBOXAMIDE COMPOUNDS ACTIVE AGAINST PROTEIN TYOSINE KINASE RELATED DISORDERS	TANG , PENG CHO
<u>09082619</u>	Not Issued	161	05/19/1998	TREATMENT OF FIBROBLAST GROWTH FACTOR RELATED DISORDERS	TANG , PENG CHO
<u>09090737</u>	6090838	150	06/04/1998	METHODS AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG , PENG CHO
<u>09092839</u>	Not Issued	161	06/05/1998	NOVEL BENAOPYRAN COMPOUNDS AND METHODS FOR THEIR USE	TANG , PENG CHO
<u>09096014</u>	Not Issued	041	06/10/1998	TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<u>09096752</u>	Not Issued	041	06/12/1998	NOVEL HETEROARYL COMPOUNDS FOR THE MODULATION OF PROTEIN	TANG , PENG

				TYROSINE ENZYME RELATED CELLULAR SIGNAL TRANSDUCTION	CHO
09099721	6051593	150	06/19/1998	3- (CYCLOALKANOHETEROARYLIDENYL)- 2- INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09099842</a>	<a href="#">6130238</a>	150	06/19/1998	3-(CYCLOHEXANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<a href="#">09100854</a>	<a href="#">6313158</a>	150	06/19/1998	IMPROVED BIOAVAILABILITY OF 3-HETEROARYLIDENYL-2-INDOLINONES ACTIVE AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<a href="#">09120346</a>	<a href="#">6143765</a>	150	07/21/1998	PHARMACEUTICAL COMPOSITIONS AND METHODS FOR MODULATING SIGNAL TRANSDUCTION	TANG , PENG CHO
<a href="#">09129139</a>	<a href="#">6329375</a>	150	08/04/1998	TRICYCLIC QUINOXALINE DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<a href="#">09129256</a>	Not Issued	071	08/04/1998	METHODS OF MODULATING PROTEIN TYROSINE KINASE FUNCTION WITH SUBSTITUTED INDOLINONE COMPOUNDS	TANG , PENG CHO
<a href="#">09161046</a>	<a href="#">6133305</a>	150	09/25/1998	NOVEL 3-(SUBSTITUTED) -2 INDOLINONES COMPOUNDS AND USE THEREOF AS INHIBITORS OF PROTEIN KINASE ACTIVITY	TANG , PENG CHO
<a href="#">09190931</a>	Not Issued	041	11/12/1998	3-(PIPERAZINYLBENZYLIDENYL)-2-INDOLINONE COMPOUNDS AND DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<a href="#">09190970</a>	<a href="#">6114371</a>	150	11/12/1998	3-(CYCLOHEXANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG CHO
<a href="#">09191199</a>	Not Issued	041	11/12/1998	3-HETEROARYLIDENEAZAINDOLIN-2-ONE TYROSINE KINASE INHIBITORS	TANG , PENG CHO

09191458	Not Issued	093	11/12/1998	3-HETEROARYLIDENE-2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG , PENG CHO
09212494	6225335	150	12/15/1998	3- ( 4'-BROMOBENZYLINDENYL) -2-INDOLINONE AND ANALOGUES THEREOF FOR THE TREATMENT OF DISEASE	TANG , PENG CHO
09253130	Not Issued	161	02/19/1999	CRYSTAL STRUCTURES OF A PROTEIN TYROSINE KINASE	TANG , PENG C.
09276597	Not Issued	161	03/25/1999	METHODS OF MODULATING TYROSINE PROTEIN KINASE FUNCTION WITH TRICYCLIC-BASED INDOLINONE COMPOUNDS	TANG , PENG CHO
09283657	Not Issued	093	04/01/1999	METHODS OF MODULATING TYROSINE PROTEIN KINASE FUNCTION WITH INDOLINONE COMPOUNDS	TANG , PENG CHO
09291822	Not Issued	041	04/14/1999	PYRAZOLYLAMIDE-BASED COMPOUNDS AS MEDICAMENTS	TANG , PENG CHO
09293518	6316635	150	04/15/1999	2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG CHO
09322297	6395734	150	05/28/1999	PYRROLE SUBSTITUTED 2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG , PENG CHO
09333703	Not Issued	041	06/16/1999	METHODS FOR TREATING DISEASES AND DISORDERS RELATED TO UNREGULATED ANGIOGENESIS AND/OR VASCULOGENESIS	TANG , PENG CHO
09363237	6331555	150	07/27/1999	TREATMENT OF PLATELET DERIVED GROWTH FACTOR RELATED DISORDERS SUCH AS CANCERS	TANG , PENG CHO
09372395	6225346	150	08/10/1999	NOVEL TYRPHOSTIN LIKE COMPOUNDS	TANG , PENG CHO
09385974	Not Issued	041	08/30/1999	GEOMETRICALLY RESTRICTED 2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG CHO
09405244	6376529	150	09/24/1999	MONO-AND BIS-INDOLYLQUINONES AND PROPHYLACTIC AND THERAPEUTIC USES THEREOF	TANG , PENG CHO
09407164	Not Issued	093	09/28/1999	METHODS OF MODULATING PROTEIN TYROSINE KINASE FUNCTION WITH SUBSTITUTED INDOLINONE	TANG , PENG CHO

				COMPOUNDS	
<a href="#">09476232</a>	Not Issued	061	12/30/1999	3-HETEROARYLIDENYL-2-INDOLINONE COMPOUNDS FOR MODULATING PROTEIN KINASE ACTIVITY AND FOR USE IN CANCER CHEMOTHERAPY	TANG, PENG CHO
<a href="#">09482198</a>	<a href="#">6350754</a>	150	01/12/2000	3- (CYCLOALKANOHETEROARYLIDENYL)- 2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG, PENG CHO

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09516948</u>	Not Issued	164	03/01/2000	NOVEL 3-(SUBSTITUTED)-2-INDOLINONES COMPOUNDS AND USE THEREOF AS INHIBITORS OF PROTEIN KINASE ACTIVITY	TANG, PENG CHO
<u>09534405</u>	Not Issued	061	03/22/2000	INDOLINONE COMPOUNDS AS KINASE INHIBITORS	TANG, PENG CHO
<u>09543026</u>	Not Issued	161	04/04/2000	PYRROLE SUBSTITUTED 2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<u>09563424</u>	Not Issued	041	05/03/2000	METHODS OF USING BIS-INDOLYLQUINONES	TANG, PENG C.
<u>09564777</u>	Not Issued	041	05/04/2000	BIS-INDOLYQUINONE COMPOUNDS	TANG, PENG CHO
<u>09565855</u>	<u>6239161</u>	150	05/05/2000	METHOD AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG, PENG CHO
<u>09569545</u>	Not Issued	071	05/12/2000	3-HETEROARYLIDENYL-2INDOLINONE COMPOUNDS FOR MODULATING PROTEIN KINASE ACTIVITY AND FOR USE IN CANCER CHEMOTHERAPY	TANG, PENG CHO
<u>09617529</u>	Not Issued	093	07/13/2000	INDOLINONE COMBINATORIAL LIBRARIES AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG, PENG CHO
<u>09645879</u>	Not Issued	041	08/25/2000	PHOSPHATE MIMICS AND METHODS OF TREATMENT USING PHOSPHATASE INHIBITORS	TANG, PENG CHO
<u>09703610</u>	Not	161	11/02/2000	METHODS OF MODULATING	TANG, PENG



	Issued			TYROSINE PROTEIN KINASE FUNCTION WITH TRICYCLIC- BASED INDOLINONE COMPOUNDS	CHO
<u>09713325</u>	Not Issued	041	11/16/2000	CRYSTAL STRUCTURES OF A PROTEIN TYROSINE KINASE	TANG, PENG C.
<u>09722149</u>	Not Issued	161	11/22/2000	METHODS AND COMPOSITIONS FOR INHIBITING CELL PROLIFERATIVE DISORDERS	TANG, PENG CHO
<u>09741737</u>	Not Issued	071	12/21/2000	4-SUBSTITUTED 7-AZA- INDOLIN-2-ONES AND THEIR USE AS PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<u>09765619</u>	Not Issued	093	01/22/2001	3-(4'-BROMOBENZYLINDENYL)- 2-INDOLINONE AND ANALOGUES THEREOF FOR THE TREATMENT OF DISEASE	TANG, PENG CHO
<u>09769360</u>	Not Issued	041	01/26/2001	METHODS OF MODULATING SERINE/THREONINE PROTEIN KINASE FUNCTION WITH QUINAZOLINE-BASED COMPOUNDS	TANG, PENG C.
<u>09783264</u>	Not Issued	041	02/15/2001	PYRROLE SUBSTITUTED 2- INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<u>09794957</u>	Not Issued	093	02/28/2001	3-(PYRROLYLLACTONE)-2- INDOLINONE COMPOUNDS AS KINASE INHIBITORS	TANG, PENG CHO
<u>09819698</u>	Not Issued	041	03/29/2001	BICYCLIC PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<u>09854424</u>	Not Issued	161	05/14/2001	METHOD AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG, PENG CHO
<u>09863804</u>	Not Issued	071	05/24/2001	MANNICH BASE PRODRUGS OF 3-(PYRROL-2- YLMETHYLIDENE)-2- INDOLINONE DERIVATIVES	TANG, PENG CHO
<u>09871700</u>	Not Issued	030	06/04/2001	INDOLINONE DERIVATIVES AS PROTEIN KINASE/PHOSPHATASE INHIBITORS	TANG, PENG CHO
<u>09894902</u>	Not Issued	019	06/29/2001	4-HETEROARYL-3- HETEROARYLIDENYL-2- INDOLINONES AND THEIR USE AS PROTEIN KINASE	TANG, PENG CHO

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<u>09897755</u>	Not Issued	041	07/03/2001	INDOLINONE COMBINATORIAL LIBRARIES AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG, PENG CHO
<u>09899550</u>	Not Issued	041	07/06/2001	2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG, PENG CHO
<u>09916331</u>	Not Issued	041	07/30/2001	NOVEL 3-(SUBSTITUTED) -2-INDOLINONES COMPOUNDS AND USE THEREOF AS INHIBITORS OF PROTEIN KINASE ACTIVITY	TANG, PENG CHO

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09948090</u>	Not Issued	030	09/07/2001	HETEROARYLCARBOXAMIDE COMPOUNDS ACTIVE AGAINST PROTEIN TYROSINE KINASE RELATED DISORDERS	TANG, PENG CHO
<u>09948106</u>	Not Issued	030	09/07/2001	BIOAVAILABILITY 3-HETEROARYLIDENYL-2-INDOLINONES ACTIVE AS PROTEIN TYROSINE KINASE INHIBITORS	TANG, PENG CHO
<u>09953933</u>	Not Issued	041	09/18/2001	METHODS AND COMPOSITIONS FOR INHIBITING CELL PROLIFERATIVE DISORDERS	TANG, PENG CHO
<u>09986607</u>	Not Issued	071	11/09/2001	TRICYCLIC QUINOXALINE DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG, PENG CHO
<u>10013944</u>	Not Issued	019	12/13/2001	METHODS OF MODULATING PROTEIN TYROSINE KINASE FUNCTION WITH SUBSTITUTED INDOLINONE COMPOUNDS	TANG, PENG CHO
<u>10023488</u>	Not Issued	030	12/20/2001	4-ARYL SUBSTITUTED INDOLINONES	TANG, PENG CHO
<u>10029946</u>	Not Issued	019	12/31/2001	3-(CYCLOALKANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG, PENG CHO
<u>10076140</u>	Not Issued	019	02/15/2002	3-(4-AMIDOPYRROL-2-YLMETHYLIDENE)-2-INDOLINONE DERIVATIVES AS PORTEIN KINASE INHIBITORS	TANG, PENG CHO
<u>10076621</u>	Not Issued	019	02/19/2002	INDOLINONE COMBINATORIAL LIBRARIES AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG, PENG CHO

10081147	Not Issued	019	02/25/2002	PYRROLE SUBSTITUTED 2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO
10118323	Not Issued	019	04/09/2002	METHODS AND COMPOSITIONS FOR INHIBITION OF ADAPTOR PROTEIN/TYROSINE KINASE INTERACTIONS	TANG, PENG CHO
60026067	Not Issued	159	09/13/1996	PSORIASIS TREATMENT WITH QUINAZOLINE COMPOUNDS	TANG, PENG CHO
60030604	Not Issued	159	11/13/1996	SYNTHETIC METHODS FOR THE PREPARATION OF INDOLYLQUINONES AND MONO- AND BIS-INDOLYLQUINONES PREPARED THEREFROM	TANG, PENG C.
60031585	Not Issued	159	12/05/1996	SUBSTITUTED 3-[(INDOLE-3-YL) METHYLENE]-2-INDOLINONE COMPOUNDS	TANG, PENG
60031586	Not Issued	159	12/05/1996	FLK SPECIFIC INDOLINE COMPOUNDS AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG, PENG C.
60031587	Not Issued	159	12/05/1996	TYROSINE, SERINE, AND THREONINE KINASE MODULATORS AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG, PENG C.
60031588	Not Issued	159	12/05/1996	5-SUBSTITUTED INDOLINONE COMPOUNDS AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG, PENG C.
60032546	Not Issued	159	12/05/1996	HYDROSOLUBLE INDOLINONE TYROSINE KINASE INHIBITORS	TANG, PENG C.
60032547	Not Issued	159	12/05/1996	SUBSTITUTED 3-[(TETRAHYDROINDOLE-2-YL) METHYLENE]-2-INDOLINONE AND 3-[(CYCLOPENTANO-B-PYRROL-2-YL) METHYLENE]-2-INDOLINONE COMPOUNDS	TANG, PENG CHO C.
60033522	Not Issued	159	12/19/1996	THIAZOLE COMPOUNDS AND METHODS FOR MODULATING SIGNAL TRANSDUCTION	TANG, PENG CHO
60034168	Not Issued	159	12/19/1996	CRYSTAL STRUCTURES OF A PROTEIN TYROSINE KINASE COMPLEXED WITH COMPOUNDS OF THE OXINDOLINONE/THIOLINDOLINONE FAMILY	TANG, PENG C.
60034981	Not Issued	159	01/08/1997	SYNTHESIS OF QUINAZOLINE DERIVATIVES	TANG, PENG C.

<a href="#">60042989</a>	Not Issued	159	04/14/1997	SYNTHETIC METHODS FOR THE PREPARATION OF INDOLYLQUINONES AND MONO- AND BIS- INDOLYLQUINONES PREPARED THEREFROM	TANG , PENG C.
<a href="#">60045351</a>	Not Issued	159	05/02/1997	METHODS OF MODULATING SERINE/THREONINE PROTEIN KINASE FUNCTION WITH 5- SUBSTITUTED QUINAZOLINE COMPOUNDS	TANG , PENG C.
<a href="#">60045565</a>	Not Issued	159	05/05/1997	SUBSTITUTED 3-[(INDOLE-3-YL) METHYLENE]-2-INDOLINONE COMPOUNDS	TANG , PENG

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<a href="#">60045566</a>	Not Issued	159	05/05/1997	FLK SPECIFIC INDOLINONE COMPOUNDS AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<a href="#">60045714</a>	Not Issued	159	05/05/1997	5-SUBSTITUTED INDOLINONE COMPOUNDS AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<a href="#">60045715</a>	Not Issued	159	05/05/1997	SUBSTITUTED 3- [(TETRAHYDROINDOLE-2-YL) METHYLENE] -2-INDOLINONE AND 3- [(CYCLOPENTANO-B-PYRROL-2-YL) METHYLENE] -2-INDOLINONE COMPOUNDS	TANG , PENG CHO
<a href="#">60045716</a>	Not Issued	159	05/05/1997	TYROSINE, SERINE, AND THREONINE KINASE MODULATORS AND RELATED PRODUCTS AND METHODS FOR THE TREATMENT OF DISEASE	TANG , PENG C.
<a href="#">60045838</a>	Not Issued	159	05/07/1997	3-HETEROARYLIDENE-2-INDOLINONE TYROSINE KINASE INHIBITORS	TANG , PENG C.
<a href="#">60046843</a>	Not Issued	159	05/05/1997	HYDROSOLUBLE INDOLINONE TYROSINE KINASE INHIBITORS	TANG , PENG C.
<a href="#">60046868</a>	Not Issued	159	05/08/1997	3-(PIPERAZINYLBENZYLIDENYL)-2-INDOLINONE COMPOUNDS AND DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<a href="#">60046945</a>	Not Issued	159	05/19/1997	TREATMENT OF FIBROBLAST GROWTH FACTOR RELATED DISORDERS	TANG , PENG C.
<a href="#">60047084</a>	Not Issued	159	05/19/1997	HETEROARYLCARBOXAMIDE COMPOUNDS ACTIVE AGAINST PROTEIN TYROSINE KINASE RELATED	TANG , PENG C

				DISORDERS	
<u>60048372</u>	Not Issued	159	06/03/1997	PSORIASIS TREATMENT WITH QUINAZOLINE COMPOUNDS	TANG , PENG CHO
<u>60049324</u>	Not Issued	159	06/11/1997	3-HETEROARYLIDENEAZAINDOLIN-2-ONE TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60049560</u>	Not Issued	159	06/13/1997	NOVEL HETEROARYL COMPOUNDS FOR THE MODULATION OF PROTEIN TYROSINE ENZYME RELATED CELLULAR SIGNAL TRANSDUCTION	TANG , PENG C.
<u>60050412</u>	Not Issued	159	06/20/1997	BIOAVAILABILITY 3-HETEROARYLIDINYLINDOLIN-2-ONES ACTIVE AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60050413</u>	Not Issued	159	06/20/1997	3-(CYCLOALKANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60050977</u>	Not Issued	159	06/20/1997	3-(CYCLOHEXANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60054903</u>	Not Issued	159	08/05/1997	TRICYCLIC QUINOXALINE DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60056623</u>	Not Issued	159	08/20/1997	TREATMENT OF FIBROBLAST GROWTH FACTOR RELATED DISORDERS	TANG , PENG C.
<u>60059336</u>	Not Issued	159	09/19/1997	BIOAVAILABILITY 3-HETEROARYLIDINYLINDOLIN-2-ONES ACTIVE AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60059381</u>	Not Issued	159	09/19/1997	3-HETEROARYLIDENEAZAINDOLIN-2-ONE TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60059384</u>	Not Issued	159	09/19/1997	3-(CYCLOALKANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60059544</u>	Not Issued	159	09/19/1997	3-(CYCLOHEXANOHETEROARYLIDENYL)-2-INDOLINONE PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<u>60059677</u>	Not Issued	159	09/19/1997	3-HETEROARYLIDENE-2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG , PENG

					C.
<a href="#">60059686</a>	Not Issued	159	09/19/1997	TRICYCLIC QUINOXALINE DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<a href="#">60059971</a>	Not Issued	159	09/25/1997	3-(PIPERAZINYLBENZYLIDENYL)-2-INDOLINONE COMPOUNDS AND DERIVATIVES AS PROTEIN TYROSINE KINASE INHIBITORS	TANG , PENG C.
<a href="#">60060152</a>	Not Issued	159	09/26/1997	METHODS OF MODULATING SERINE/THREONINE PROTEIN KINASE FUNCTION WITH QUINAZOLINE-BASED COMPOUNDS	TANG , PENG CHO

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>60060194</u>	Not Issued	159	09/26/1997	NOVEL 3-(SUBSTITUTED)-2-INDOLINONES COMPOUNDS AND USE THEREOF AS INHIBITORS OF PROTEIN TYROSINE KINASE ACTIVITY	TANG , PENG C.
<u>60070905</u>	Not Issued	159	05/21/1997	2-SUBSTITUTED LEX C-FUCOSIDE ANALOGUES AND RELATED COMPOUNDS	TANG , PENG CHO
<u>60070906</u>	Not Issued	159	05/21/1997	FUC (C) SUBSTITUTED SIALYL LEWIS AND SIALYL LACTOSE COMPOUNDS	TANG , PENG CHO
<u>60079713</u>	Not Issued	159	03/26/1998	METHODS OF MODULATING TYROSINE PROTEIN KINASE FUNCTION WITH TRICYCLIC-BASED INDOLINONE COMPOUNDS	TANG , PENG CHO
<u>60080422</u>	Not Issued	159	04/02/1998	METHODS OF MODULATING TYROSINE PROTEIN KINASE FUNCTION WITH INDOLINONE COMPOUNDS	TANG , PENG CHO
<u>60081792</u>	Not Issued	159	04/15/1998	PYRAZOLYLAMIDE-BASED COMPOUNDS AS MEDICAMENTS	TANG , PENG CHO
<u>60082056</u>	Not Issued	159	04/16/1998	2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60082111</u>	Not Issued	159	04/17/1998	METHODS OF MODULATING THE CD28 SIGNALING PATHWAY FUNCTION WITH DIARYL-ALKYL COMPOUNDS	TANG , PENG CHO
<u>60087310</u>	Not Issued	159	05/29/1998	PYRROLE SUBSTITUTED 2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG , PENG

<u>60089521</u>	Not Issued	159	06/16/1998	METHODS FOR TREATING DISEASES AND DISORDERS RELATED TO UNREGULATED ANGIOGENESIS AND/OR VASCULOGENESIS	TANG , PENG C.
<u>60095470</u>	Not Issued	159	08/05/1998	NOVEL PHENOL ETHER 2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60098660</u>	Not Issued	159	08/31/1998	NOVEL 2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60098783</u>	Not Issued	159	09/01/1998	NOVEL PHENYL 2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60102178</u>	Not Issued	159	09/28/1998	METHODS OF MODULATING TYROSINE KINASE FUNCTION WITH SUBSTITUTED INDOLINONE COMPOUNDS	TANG , PENG C.
<u>60114313</u>	Not Issued	159	12/31/1998	3-HETEROARYLIDENYL-2-INDOLINONE COMPOUNDS FOR MODULATING PROTEIN KINASE ACTIVITY AND FOR USE IN CANCER CHEMOTHERAPY	TANG , PENG C.
<u>60116106</u>	Not Issued	159	01/15/1999	3-PYRROLIDENYL-2-INDOLINONE MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60116107</u>	Not Issued	159	01/15/1999	PHENOL ETHER 2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60125945</u>	Not Issued	159	03/24/1999	3-ARYLIDENYL-6-HETEROCYCLYL-2-INDOLINONES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG C.
<u>60127863</u>	Not Issued	159	04/05/1999	3-ARALKYL-2-INDOLINONE DERIVATIVES AS MODULATORS OF PROTEIN KINASE ACTIVITY	TANG , PENG CHO
<u>60131192</u>	Not Issued	159	04/26/1999	DIARYL INDOLINONE COMPOUNDS AS KINASE INHIBITORS	TANG , PENG CHO
<u>60132243</u>	Not	159	05/03/1999	SYNTHESIS OF 4-SUBSTITUTED	TANG , PENG C.

<a href="#">60150970</a>	Not Issued	159	08/27/1999	NOVEL PHOSPHATASE INHIBITORS	TANG , PENG CHO
<a href="#">60165365</a>	Not Issued	159	11/12/1999	PHOSPHATE MIMICS AND METHODS OF TREATMENT USING PHOSPHATE INHIBITORS	TANG , PENG CHO
<a href="#">60171288</a>	Not Issued	159	12/21/1999	4-SUBSTITUTED 7-AZA-INDOLIN-2-ONES AND THEIR USE AS PROTEIN KINASE INHIBITORS	TANG, PENG C.
<a href="#">60182710</a>	Not Issued	159	02/15/2000	PYRROLE SUBSTITUTED 2-INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO

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<a href="#">60185536</a>	Not Issued	159	02/28/2000	PYROLYLLACTONE INDOLINNE COMPOUNDS AS KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60201173</a>	Not Issued	020	05/02/2000	ENZYMATIC PROCESSING OF BIOMASS TO PRODUCE EDIBLE PRODUCTS	TANG, PENG CHO
<a href="#">60207000</a>	Not Issued	159	05/24/2000	PRODRUGS OF INDOLINONE COMPOUNDS	TANG, PENG CHO
<a href="#">60216422</a>	Not Issued	020	07/06/2000	PYRROLE SUBSTITUTED 2- INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60243532</a>	Not Issued	019	10/27/2000	PYRROLE SUBSTITUTED 2- INDOLINONE PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60256479</a>	Not Issued	020	12/20/2000	4-ARYL SUBSTITUTED INDOLINONES	TANG, PENG CHO
<a href="#">60268683</a>	Not Issued	020	02/15/2001	3-(4-AMIDOPYRROL-2- YLMETHYLIDENE)-2- INDOLINONE DERIVATIVES AS PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60282630</a>	Not Issued	020	04/09/2001	PRODRUGS OF 3-(PYRROL-2- YLMETHYLIDENE)-2- INDOLINONE DERIVATIVES	TANG, PENG CHO
<a href="#">60294544</a>	Not Issued	020	05/30/2001	5-ARALKYLSUFONYL-3- (PYRROL-2-YLMETHYLIDENE)- 2-INDOLINONE DERICATIVES AS KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60312361</a>	Not Issued	020	08/15/2001	3-(4-AMIDOPYRROL-2- YLMETHYLIDENE)-2- INDOLINONE DERIVATIVES AS PROTEIN KINASE INHIBITORS	TANG, PENG CHO
<a href="#">60318508</a>	Not Issued	020	09/10/2001	3-(4,5,6,7-TETRAHYDROINDOL- 2-YLMETHYLIDENE)-2-	TANG, PENG CHO

				INDOLINONE DERIVATIVES AS KINASE INHIBITORS	
<u>60328226</u>	Not Issued	020	10/10/2001	3-[4-(SUBSTITUTED HETEROCYCLYL)-PYRROL-2- YLMETHYLIDENE]-2- INDOLINONE DERIVATIVES AS KINASE INHIBITORS	TANG, PENG CHO
<u>60328408</u>	Not Issued	020	10/10/2001	5-ARALKYLSULFONYL-3- (PYRROL-2-YLMETHYLIDENE)- 2-INDOLINONE DERIVATIVES AS KINASE INHIBITORS	TANG, PENG CHO

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